[illegible]

[illegible]1　[illegible]

1. [illegible]

(1) [illegible] $p \Rightarrow q$ [illegible] $q \Rightarrow p$ [illegible].

(2) [illegible] p [illegible] q [illegible].

(3) [illegible]

[illegible].

2. [illegible].

[illegible]

(1) [illegible]([illegible])[illegible].

(2) [illegible].

例1 已知平面 α，直线 m，n 满足 $m\not\subset\alpha$，$n\subset\alpha$，则“$m\parallel n$”是“$m\parallel\alpha$”的

A. 充分不必要条件 B. 必要不充分条件

C. 充要条件 D. 既不充分也不必要条件

√

解析 ∵若 $m\not\subset\alpha$，$n\subset\alpha$，且 $m\parallel n$，则一定有 $m\parallel\alpha$；

反之 $m\not\subset\alpha$，$n\subset\alpha$，且 $m\parallel\alpha$，则 m 与 n 平行或异面，

∴“$m\parallel n$”是“$m\parallel\alpha$”的充分不必要条件.

故选A.

[illegible] [illegible]①[illegible]

[illegible]②[illegible] $p\Rightarrow q$ [illegible] $q\Rightarrow p$ [illegible]③[illegible].

[illegible]

例2 [illegible]A[illegible]B[illegible]B[illegible]C[illegible]D[illegible]C[illegible]A[illegible]D[illegible]

______________[illegible].([illegible]“[illegible]”“[illegible]”“[illegible]”“[illegible]”)

[illegible]

[illegible] [illegible]$A \Leftarrow B \Leftrightarrow C \Leftarrow D$[illegible]$A \nRightarrow B \Leftrightarrow C \nRightarrow D$[illegible]

[illegible]$D \Rightarrow A$[illegible]$A \nRightarrow D$.[illegible]A[illegible]D[illegible].

[illegible] [illegible] $p\Rightarrow q$ [illegible] $q\Rightarrow r$ [illegible] $p\Rightarrow r$.

□□□□□□□□□□

□3 □□□ p □ $x(x$ □ $3)<0$ □□□ q □ $2x$ □ $3<m$ □□□ p □ q □□□□□□□□□□□□ m □□□□□□ __________. [3 □□∞)

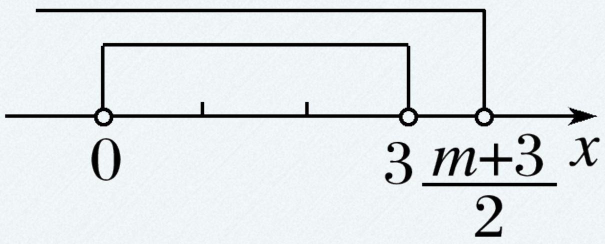
□□ □p□q□□□□□□P□Q□

□P□$\{x|x(x□3)<0\}$

□$\{x|0<x<3\}$□

Q□$\{x|2x□3<m\}$□$\left\{x\left|x<\frac{m□3}{2}\right.\right\}$.

□□□□$p\Rightarrow q$□$q\nRightarrow p$□□$P\in Q$□□□□□□□□□□□□□□□□□



□$\frac{m□3}{2}\geq 3$□□□$m\geq 3$□

□□□m□□□□□□$[3$□□$\infty)$.

□□　□□□

□□□□□□□□□□□□□□□□□□□□□A□$\{x|p(x)\}$□B□$\{x|q(x)\}$□□□□□□□□□□

□□□□□□□□□□□□□

①□$A\subseteq B$□□p□q□□□□□□②□$A\supseteq B$□□p□q□□□□□□③□A□B□□p□q

□□□□□□④□$A\in B$□□p□q□□□□□□□□□⑤□$B\in A$□□p□q□□□□□□□□.

□**4**　□□p□x□$y\neq 2$□q□x□y□□□1□□p□q□______□□□□□______□□.(□“□□□□□”“□□□□□”“□□”“□□□□□□□□”)

□□　□□p□x□$y\neq 2$□q□$x\neq 1$□$y\neq 1$□

□p□□q□□x□$y\neq 2$□□$x\neq 1$□$y\neq 1$.

□□□□□□□□x□1□y□1□□x□y□2□□□□□.

□□p□□q□□□□□□□$p\Rightarrow q$□□□□□$q\nRightarrow p$□

□□p□q□□□□□□□□.

[illegible] [illegible] $p \Rightarrow q$ [illegible] x [illegible] 1 [illegible] y [illegible] 1 [illegible] x [illegible] y [illegible] 2 [illegible]. [illegible] p [illegible] q [illegible] $p \Rightarrow q$ [illegible] $q \nRightarrow p$ [illegible] p [illegible] q [illegible].

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